

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES03/00589

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65G47/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65G47/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

ES

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CIBEPAT, EPODOC, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6098781 A (Lanfranchi) 08.08.2000, the whole document	1-14
A	US 3690437 A (Kammann) 12.09.1972, the whole document	1-6
A	EP 0578602 A1 (Jaime Marti Sala) 12.01.1994, the whole document	1,9,10,13
A	US 4735343 A (Herzog) 05.04.1988, column 2, line 39 - column 7, line 47; drawings.	1,5,6
A	US 3871515 A (Randrup) 18.03.1975, column 2, line 17 - column 5, line 15; drawings.	1,5,6
A	US 3776346 A (Dubuit) 04.12.1973, abstract; drawings.	1,5,6
A	GB 547501 A (Molins Machine Co. Ltd) 28.02.1941, the whole document.	9,10,11
A	FR 2802903 A (Rionde) 23.12.1999, abstract; drawings.	9,10,11

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

23 January 2004 (23. 01. 04.)

Date of mailing of the international search report

06 February 2004 (06. 02. 04.)

Name and mailing address of the ISA/

S.P.T.O.

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES03/00589

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0995701 A2 (Bottle Automation Manufacturing S.A) 26.04.2000, the whole document.	9
A	US 3662872 A (Nalbach) 16.05.1972, the whole document.	13

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No

PCT/ES03/00589

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6098781 A	08.08.2000	ITMI 962346 A	12.05.1998
		CA 2242968 A	22.05.1998
		WO 9821129 A	22.05.1998
		AU 5551598 A	03.06.1998
		IT 1287097 B	04.08.1998
		EP 0877711 A	18.11.1998
		CN 1214023 A	14.04.1999
US 3690437 A EP 0578602 A1	12.09.1972 12.01.1994	BR 9707131 A	18.05.1999
		CA 2099913 A	08.01.1994
		AU 4177993 A	13.01.1994
		ZA 9304872 A	03.02.1994
		BR 9302773 A	08.02.1994
		CN 1085178 A	13.04.1994
		CN 1040635B B	11.11.1998
		HU 65111 A	28.04.1994
		JP 6166421 A	14.06.1994
		JP 3303033B2 B	15.07.2002
		MX 9304048 A	31.08.1994
		TR 27233 A	20.12.1994
		ES 2066672 AB	01.03.1995
		AU 658755 B	27.04.1995
		US 5415322 A	16.05.1995
		DE 69300354D D	19.04.1995
		DK 578602T T	04.12.1995
		DE 69300354T T	01.02.1996
		ES 2087004 AB	01.07.1996
		ES 2087003 AB	01.07.1996
		IL 106222 A	04.08.1996
		HU 215216 B	28.10.1998
		KR 257487 B	01.06.2000

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No

PCT/ES03/00589

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4735343 A	05.04.1988		
US 3871515 A	18.03.1975		
US 3776346 A	04.12.1973	DE 2220756 A	09.11.1972
		FR 2134224 AB	08.12.1972
		JP 48049160 A	11.07.1973
		GB 1371139 A	23.10.1974
		ES 402154 A	01.11.1975
GB 547501 A	31.08.1942		
FR 2802903 A	29.06.2001		
EP 0995701 A2	26.04.2000	ES 2163957 AB	01.02.2002
US 3662872 A	16.05.1972		